SEQUENCE LISTING

<110> NAGAI, Hiroshi NAKAJIMA, Terumi

<120> NOVEL HEMOLYTIC ACTIVE PROTEINS AND GENES ENCODING THE SAME

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<151> 1999-03-30

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<151> 1998-04-01

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<170> PatentIn Ver. 2.0

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<212> PRT

<213> Carybdea rastonii

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<223> This amino acid residue sequence corresponds to amino acid residue positions 56-69 of SEQ ID NO:5.

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<223> This amino acid residue sequence corresponds to amino acid residue positions 250-267 of SEQ ID NO:5.

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<212> PRT

<213> Carybdea rastonii

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Glu Ala Leu Glu Gly Leu Lys Gly Glu Ile Gln Thr Lys Pro Asp Arg
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Lys Leu Asn Ser Gly Asp Ala Thr Lys Ile Ile Ser Gly Cys Leu Asp
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Ile Val Ala Gly Ile Ala Thr Thr Phe Gly Gly Pro Val Gly Met Gly
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Ile Gly Ala Val Ala Ser Phe Val Ser Ser Ile Leu Ser Leu Phe Thr
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Ser Lys His Arg Asp Glu Ala Ile Gln Arg His Ala Ala Gly Ala Lys 145 150 155 160

Arg Asp Phe Ala Glu Ser Ser Ala Phe Ile Gln Val Met Lys Gln Gln
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Ser Asn Leu Thr Asp Ser Asp Leu Ser Ile Ile Ala Ala Asn Val Pro 180 185 190

Val Tyr Lys Phe Ser Asn Phe Ile Gly Gln Leu Glu Ser Arg Ile Ser 195 200 205

Gln Gly Ala Ala Thr Thr Ser Leu Ser Asp Ala Lys Arg Ala Val Asp 210 215 220

Phe Ile Leu Leu Tyr Cys Gln Leu Val Val Met Arg Glu Thr Leu Leu 225 230 235 240

Val Asp Leu Ala Ile Leu Tyr Arg Lys Gly Asn Ala Glu His Val Ala 245 250 255

Ser Ala Val Glu Asn Ala Asn Arg Val Asn Lys Glu Leu Ala Ala Asp 260 265 270

Thr Leu Asp Phe Leu His Lys Leu Ile Pro Glu Gln Ala Leu Ile Gly
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Ala Val Tyr His Pro Ile Ser Ala Ser Glu Thr Ser Lys Ala Ile Leu 290 295 300

Asn Tyr Thr Lys Tyr Phe Gly Val Pro Asp Val Pro Arg Pro Ile Gly 305 310 315 320

Asn Arg Arg Tyr Lys Phe Thr Asn Ser Tyr Trp Asn Thr Tyr Ser Ile
325 330 335

Cys Ser Glu Ala Tyr Met Gly Asn Tyr Met Phe Arg Gly Cys Ser Asn 340 345 350

Val Arg Asn Pro Asn Ile Arg Val Ser Lys Met Ser Asp Gly Phe Tyr 355 360 365

Thr Met Glu Asn Ser Asp Arg Arg Lys Leu Tyr Ile Thr Lys His Asp 370 375 380

Gln Gly Trp Gly Trp Gly Thr Leu Asp Glu Asp Pro Gly Asp Gln Gly

385 390 395 400

His Met Arg Phe Ile Pro Leu Arg His Gly Lys Tyr Met Val Ser Ser 405 410 415

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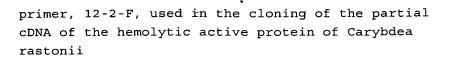
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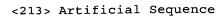
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